

SDS: S003252: VMA7.
 InterPro: IPR002841: ATP-synth_F.
 Pfam: PF01390: ATP-synt_F_1.
 Pfam: PF003811: ATP-synt_F_1.
 K0 Hydrolyase ATP synthase: Hydrogen ion transport.
 S003252: 118 AA; 1461 MW; D216C090H990PF C00347.

Query Match 79.6% Score 33 DB 1 Length 118
 Best local similarity 100.0% Prod. No. 9.37
 Matches 6 Conservative 0 Mismatches 0 Indels 0 Gaps 0

2 DEPKDS 7
 11111
 102 DEPKDS 107

S001 14
 VMA7_SCHPO STANARD: PRI: 120 AA.

AC 20-APR-2001 (Ref: 48, Cited)
 RI 20-APR-2001 (Ref: 48, Last sequence update)
 IT 20-APR-2001 (Ref: 48, Last annotation update)
 LR VACUOLAR ATP SYNTHASE SUBUNIT F (VMA7) (VMA7) (VMA7)
 DE VACUOLAR PROTON PUMP (VMA7) (VMA7) (VMA7)
 SN S003252.

OS Schizosaccharomyces pombe (fission yeast).
 OC Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;
 OC Schizosaccharomycotales; Schizosaccharomycotaceae;
 OC Schizosaccharomyces.
 CX NBL_LexID 4896;

FN [1]
 BP sequence from V.A.

RA Wood V., Rajandream A.A., Barrell B.G., Skelton J., Chothan C.M.,
 RI Submitted (MAR-1997) to the EMBL/GenBank/DBJ databases.
 CC - FUNCTION: SUBUNIT OF THE PERIPHERAL V1 COMPLEX OF VACUOLAR ATPASE
 CC ESSENTIAL FOR ASSEMBLY OR CATALYTIC FUNCTION. V ATPASE IS
 CC RESPONSIBLE FOR ACTIVATING A VARIETY OF INTRACELLULAR MEMBRANES
 CC IN ERKAROTIC CELLS (see SIMILARITY).

CC - SUBUNIT: V-ATPASE IS AN HETEROOLIGOMERIC ENZYME COMPOSED OF A
 CC PERIPHERAL CATALYTIC V1 COMPLEX (COMPONENTS A TO H) ATTACHED TO
 CC AN INTERNAL MEMBRANE V0 PROTON PUMP COMPLEX (COMPONENTS A, C, C',
 CC C'', AND D) (by similarity).

CC - SIMILARITY: RECORDS TO THE V-ATPASE F SUBUNIT FAMILY.
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CC or send an email to: lindsay@sb-ebi.ac.uk).

CC EMBL: AL022479; CA17799; J1.
 CC InterPro: IPR002841; ATP-synt_F.
 CC Pfam: PF01390; ATP-synt_F_1.
 CC Pfam: PF003811; ATP-synt_F_1.

CC Hydrolyase ATP synthase: Hydrogen ion transport.
 CC S003252: 129 AA; 1419 MW; D2012915912518 C00347.

Query Match 79.6% Score 33 DB 1 Length 120
 Best local similarity 100.0% Prod. No. 9.47
 Matches 6 Conservative 0 Mismatches 0 Indels 0 Gaps 0

2 DEPKDS 7
 11111
 104 DEPKDS 109

RESULT 15

VMA7_NBL
 DE VMA7_NBL STANARD: PRI: 120 AA.
 AC 09756;
 RI 20-APR-2001 (Ref: 48, Cited)
 IT 20-APR-2001 (Ref: 48, Last sequence update)
 LR VACUOLAR ATP SYNTHASE SUBUNIT F (VMA7) (VMA7) (VMA7)
 DE VMA7.
 SN S003252.
 OS Neurospora crassa.
 OC Eukaryota; Fungi; Ascomycota; Neurospora; Neurospora;
 OC Sordariaceae; Sordariaceae; Neurospora;
 CX NBL_LexID 5141;

FN [1]
 BP S003252 from N.A.
 RA Troncy K., Bowman H.J.,
 RI Submitted (OCT-1990) to the EMBL/GenBank/DBJ databases.
 CC - FUNCTION: SUBUNIT OF THE PERIPHERAL V1 COMPLEX OF VACUOLAR ATPASE
 CC ESSENTIAL FOR ACTIVATING A VARIETY OF INTRACELLULAR MEMBRANES
 CC RESPONSIBLE FOR ACTIVATING A VARIETY OF INTRACELLULAR MEMBRANES
 CC IN ERKAROTIC CELLS (see SIMILARITY).

CC - SUBUNIT: V-ATPASE IS AN HETEROOLIGOMERIC ENZYME COMPOSED OF A
 CC PERIPHERAL CATALYTIC V1 COMPLEX (COMPONENTS A TO H) ATTACHED TO
 CC AN INTERNAL MEMBRANE V0 PROTON PUMP COMPLEX (COMPONENTS A, C, C',
 CC C'', AND D) (by similarity).

CC - SIMILARITY: RECORDS TO THE V-ATPASE F SUBUNIT FAMILY.
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CC or send an email to: lindsay@sb-ebi.ac.uk).

CC EMBL: AF099166; AF099167; J1.
 CC InterPro: IPR002841; ATP-synt_F.
 CC Pfam: PF01390; ATP-synt_F_1.
 CC Pfam: PF003811; ATP-synt_F_1.

CC Hydrolyase ATP synthase: Hydrogen ion transport.
 CC S003252: 129 AA; 1419 MW; D2012915912518 C00347.

Query Match 79.6% Score 33 DB 1 Length 120
 Best local similarity 100.0% Prod. No. 9.47
 Matches 6 Conservative 0 Mismatches 0 Indels 0 Gaps 0

2 DEPKDS 7
 11111
 108 DEPKDS 114

RESULT 16
 VMA7_NBL
 DE VMA7_NBL STANARD: PRI: 120 AA.
 AC 042398;
 RI 15-JUL-1999 (Ref: 48, Cited)
 IT 15-JUL-1999 (Ref: 48, Last sequence update)
 LR VACUOLAR ATP SYNTHASE SUBUNIT F (VMA7) (VMA7) (VMA7)
 DE VMA7.
 SN S003252.
 OS Gallus gallus (Chicken).
 OC Eukaryota; Metazoa; Chordata; Gallus; Gallus; Gallus;
 OC Archaeopteryx; Archaeopteryx; Gallus; Gallus; Gallus;
 CX NBL_LexID 5141;

FN [1]
 BP S003252 from N.A.
 RA STEVAIN WHITE, LEONORE FISCHER, ESTHER L. FISCHER, and J. L. FISCHER
 RI Submitted (OCT-1990) to the EMBL/GenBank/DBJ databases.

CC - FUNCTION: SUBUNIT OF THE PERIPHERAL V1 COMPLEX OF VACUOLAR ATPASE
 CC ESSENTIAL FOR ACTIVATING A VARIETY OF INTRACELLULAR MEMBRANES
 CC RESPONSIBLE FOR ACTIVATING A VARIETY OF INTRACELLULAR MEMBRANES
 CC IN ERKAROTIC CELLS (see SIMILARITY).

CC - SUBUNIT: V-ATPASE IS AN HETEROOLIGOMERIC ENZYME COMPOSED OF A
 CC PERIPHERAL CATALYTIC V1 COMPLEX (COMPONENTS A TO H) ATTACHED TO
 CC AN INTERNAL MEMBRANE V0 PROTON PUMP COMPLEX (COMPONENTS A, C, C',
 CC C'', AND D) (by similarity).

